FS 2.60/9:14/39

COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 39

WEEKLY REPORT

Week Ending October 2, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

SALMONELLA OUTBREAK – Washington

In March 1965 an outbreak of salmonellosis was investigated among Indians in Yakima County, Washington. Investigations suggested that the source might be dry whole egg solids, which were later proved positive on culture for *Salmonella typhi-murium*, *S. tennessee* and *S. oranienburg*. Cans of dry whole egg solids were found in three of the households in which cases had occurred; cultures from these patients revealed *S. typhi-murium*, *S. bradeney*, and *S. schwarzengrund*. Subsequently, *S. tennessee* was recovered from a 7-month-old infant and from the dried whole egg powder in his home in Grays Harbor County, Washington.

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The cans of whole dried egg solids, distributed to welfare recipients by the Washington State Department of Public Assistance, had been purchased by the U.S. Department of Agriculture. Although the canned food was reported to have been produced under conditions of good commercial practices in processing plants operating under

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	39th WEEK ENDED		MEDIAN 1960–1964	CUMULATIVE, FIRST 39 WEEKS		
	OCTOBER 2, 1965	SEPTEMBER 26, 1964		1965	1964	MEDIAN 1960–1964
Aseptic meningitis	80	109	115	1,493	1,512	1,856
Brucellosis	1	2	5	193	318	318
Diphtheria	–	1	11	113	185	306
Encephalitis, primary infectious	48	90	- - -	1,344	2,374	- - -
Encephalitis, post-infectious	9	10	- - -	555	699	- - -
Hepatitis, infectious including serum hepatitis	735	683	840	25,530	29,038	32,635
Measles	638	628	754	241,266	462,932	397,260
Meningococcal infections	25	34	30	2,376	2,112	1,660
Poliomyelitis, Total	–	3	43	44	84	608
Paralytic	–	2	34	35	69	473
Nonparalytic	–	1	- - -	7	10	- - -
Unspecified	–	–	- - -	2	5	- - -
Streptococcal Sore Throat and Scarlet fever	5,082	4,688	4,196	298,598	304,546	246,523
Tetanus	3	4	- - -	199	210	- - -
Tularemia	2	8	- - -	192	254	- - -
Typhoid fever	11	13	20	314	316	474
Rabies in Animals	51	67	53	3,376	3,487	2,893

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	7	Rabies in Man:	1
Botulism:	11	Smallpox:	–
Leptospirosis: Tenn.-1, Tex.-1	35	Trichinosis: Calif.-1	78
Malaria: N.Y.C.-1	62	Typhus –	
Plague:	6	Murine:	22
Psittacosis: Conn.-1	36	Rky. Mt. Spotted: N.C.-4, S.C.-1, Ky.-1	233
Cholera:	2		

SALMONELLA OUTBREAK – Washington

(Continued from front page)

the supervision of the U.S. Department of Agriculture inspection services, 34 percent of 161 specimens of powdered eggs were found positive for salmonella organisms at the Veterinary Public Health Laboratory at CDC. *Salmonella tennessee* was the most common serotype isolated; other serotypes isolated included *S. oranienburg, S. montevideo, S. newington,* and *S. infantis*. The U.S.D.A. Laboratory in Chicago recovered salmonella organisms from 60 percent of the shelf samples of the suspect cans submitted from Washington, all of which were from 1 to 3 years old. As a result of these examinations, U.S.D.A. authorities at the plants where these eggs were processed have studied the effects of substantial modifications made to equipment and in processing procedures.

Immediate precautionary measures were taken. Hold orders were placed on further distribution of the dried whole egg solids from the three surplus warehouses in the State of Washington. In addition, all state and private institutions using the dried egg products were notified by telegram to discontinue use of the product until further notice.

As of June 1, 1965, the U.S.D.A. requires pasteurization prior to the drying process or testing for the absence of salmonella in products of processing plants under their supervision. Effective January 1, 1966, all egg products except dried whites must be pasteurized and on June 1, 1966, all egg products, including egg whites, must be pasteurized.

(Reported by Ernest A. Ager, M.D., Chief, Division of Epidemiology, Washington State Department of Health; Carl D. Olsen, D.V.M., Staff Veterinarian, Milk and Food Branch, DEEFP, USPHA; and the Salmonella Surveillance Unit, CDC.)

EPIDEMIOLOGIC NOTES AND REPORTS

ARBOVIRUS ENCEPHALITIS – 1965

Primary encephalitis, defined as an acute febrile illness with encephalitic manifestations as an intrinsic part of the disease, is notified weekly to CDC through the National Morbidity Reporting System. This category includes arthropod-borne virus infections as well as acute encephalitis of other etiology. An Encephalitis Surveillance Report dealing with primary and post-infectious encephalitis is published annually; that for 1964 is summarized in MMWR, Vol. 14, No. 29. The following reports deal mainly with the laboratory confirmed and presumptive cases of Arbovirus encephalitis in humans reported to CDC from January 1 to September 30, 1965.

A total of 134 confirmed or presumptive human cases of Arbovirus encephalitis have been notified in the U.S. through September 30, 1965. There have been 82 cases of Western equine encephalitis, 6 of Eastern equine encephalitis, 16 of St. Louis encephalitis, and 30 of California encephalitis. Table 1 shows the distribution of human cases by States. Of the 15 states affected, only 2, Colorado and Texas, have had confirmed infection with more than one Arbovirus. Colorado has had the largest number of confirmed cases of Western equine and of St. Louis encephalitis of any one State.

Table 1
Confirmed and Presumptive Human Cases of Arbo-Virus Encephalitis Through September 30, 1965

State	WEE	EEE	SLE	CE
Minnesota	2 (1D)	- -	- -	- -
North Dakota	12	- -	- -	- -
South Dakota	1	- -	- -	- -
Wyoming	15	- -	- -	- -
Colorado	37	- -	8	- -
California	1	- -	- -	- -
Texas	14	- -	6	- -
Pennsylvania	- -	- -	1	- -
North Carolina	- -	1	- -	- -
Georgia	- -	2 (2D)	- -	- -
Florida	- -	3	- -	- -
Ohio	- -	- -	- -	16
Indiana	- -	- -	- -	7
Wisconsin	- -	- -	- -	7
Illinois	- -	- -	1	- -
15 States	82 (1D)	6 (2D)	16	30

TOTAL 134

D – Died

WESTERN EQUINE ENCEPHALITIS

A total of 82 laboratory confirmed and presumptive human cases of Western equine encephalitis have been reported through September 30 from seven central and western States (Table 1). Human outbreaks of some size have occurred in the four States as listed below:

State	Colorado	Wyoming	N. Dakota	Texas
Cases	37	15	12	14
Onset first case	7/12/65	7/28/65	7/8/65	7/25/65
Onset last case	8/22/65	9/4/65	8/29/65	9/2/65

Wyoming, North Dakota and Colorado have experienced more human Western equine encephalitis this year than in any year since encephalitis surveillance was established in 1958.

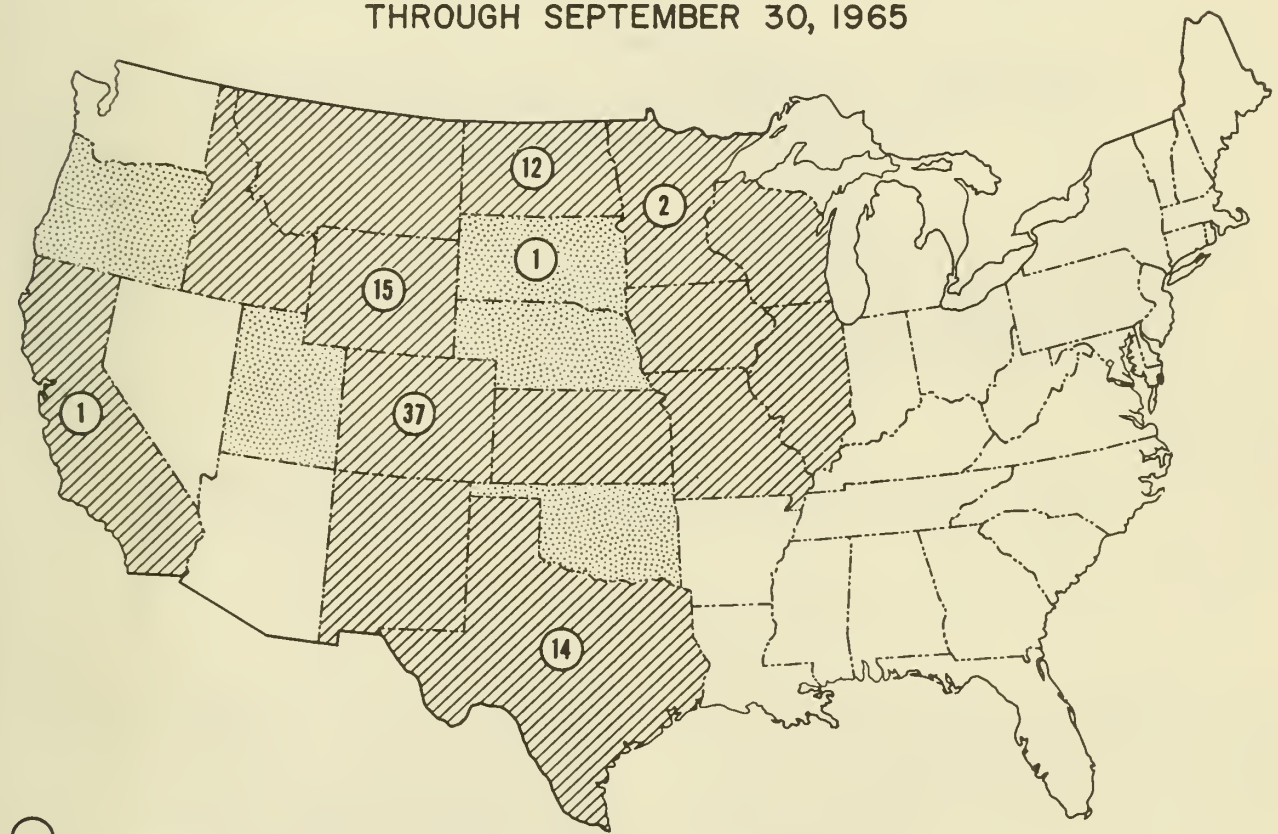
The ages of the patients varied from 2 months to 75 years. There was one fatality in Minnesota.

A concentration of human cases occurred in the Platt and Arkansas River Valleys of Wyoming and Colorado. In these areas there was heavy flooding during the spring of 1965 which gave rise to unusually large mosquito populations. Western equine encephalitis virus was recovered from pools of *Culex tarsalis* early in July (MMWR, Vol. 14, No. 29). Mosquito indices have now fallen dramatically following frosts in early September.

In the map, Figure 1, are shown the States reporting Western equine encephalitis in horses. The number of confirmed and presumptive human cases of Western equine encephalitis are also included.

Figure 1.

WESTERN EQUINE ENCEPHALITIS IN THE UNITED STATES
THROUGH SEPTEMBER 30, 1965



See Table, Page 7

CALIFORNIA ENCEPHALITIS

Confirmed and presumptive human cases of California virus encephalitis have been notified from three midwestern States through September 30. Ohio reported 16 cases, with Wisconsin and Indiana each reporting 7 (Figure 2). All the patients were children under 16 years of age, the youngest being 3 years old; all lived in rural areas or had been camping in forested areas prior to the onset of illness. There were no fatalities or sequelae. Figure 3 denotes the dates of onset of the cases in Wisconsin and Indiana.

Collections of mosquitoes and of sera from a wide variety of vertebrates have been made in the three States. To date there has been only one California virus isolation; it was obtained in Ohio from a pool of *Aedes triseriatus*.* This isolate is apparently closely related to the strain isolated in 1964 by Thompson et al. from a fatal human case in Wisconsin (MMWR, Vol. 13, No. 47, p. 414).

*Reported by Dr. C. Spencer and Dr. H. Stigmiller, Ohio.

Figure 3.

CALIFORNIA ENCEPHALITIS IN THE UNITED STATES
THROUGH SEPTEMBER 30, 1965

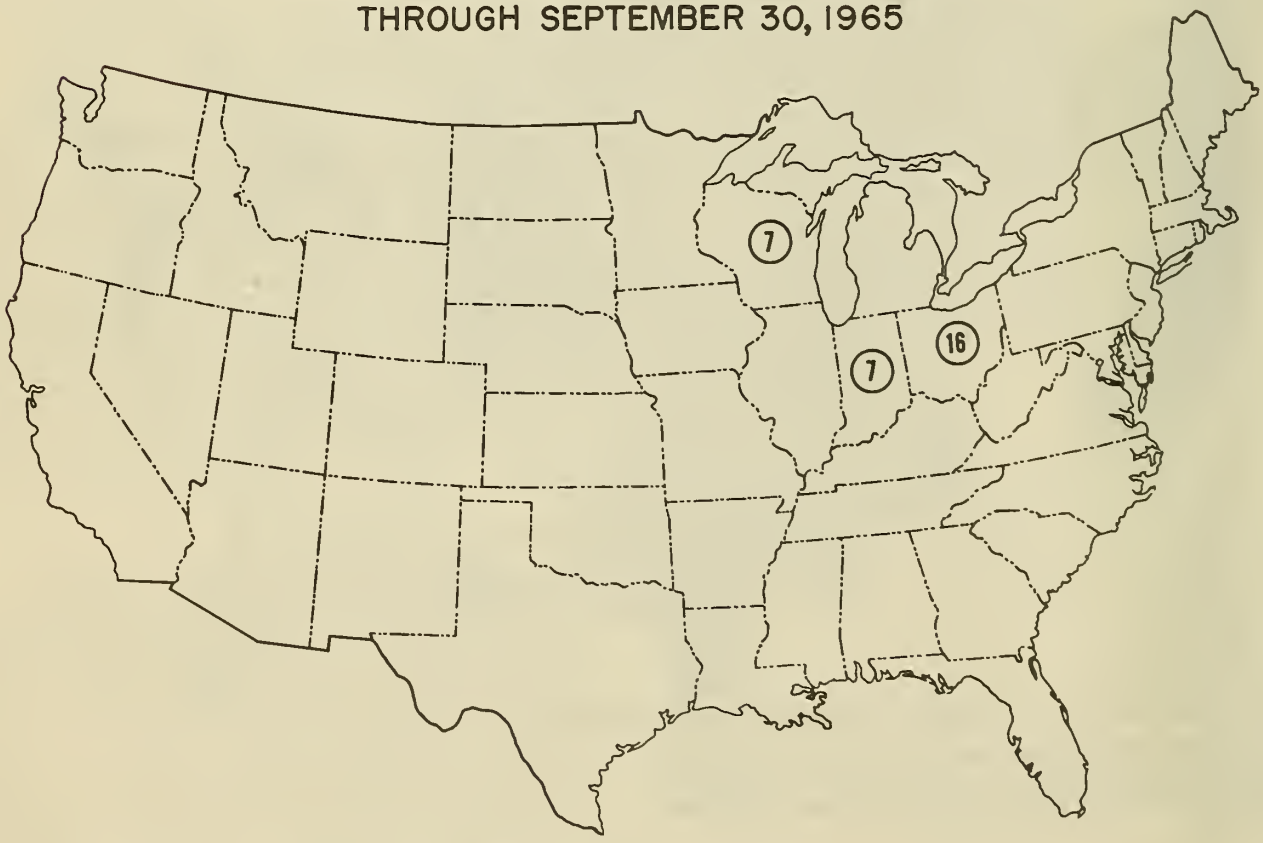
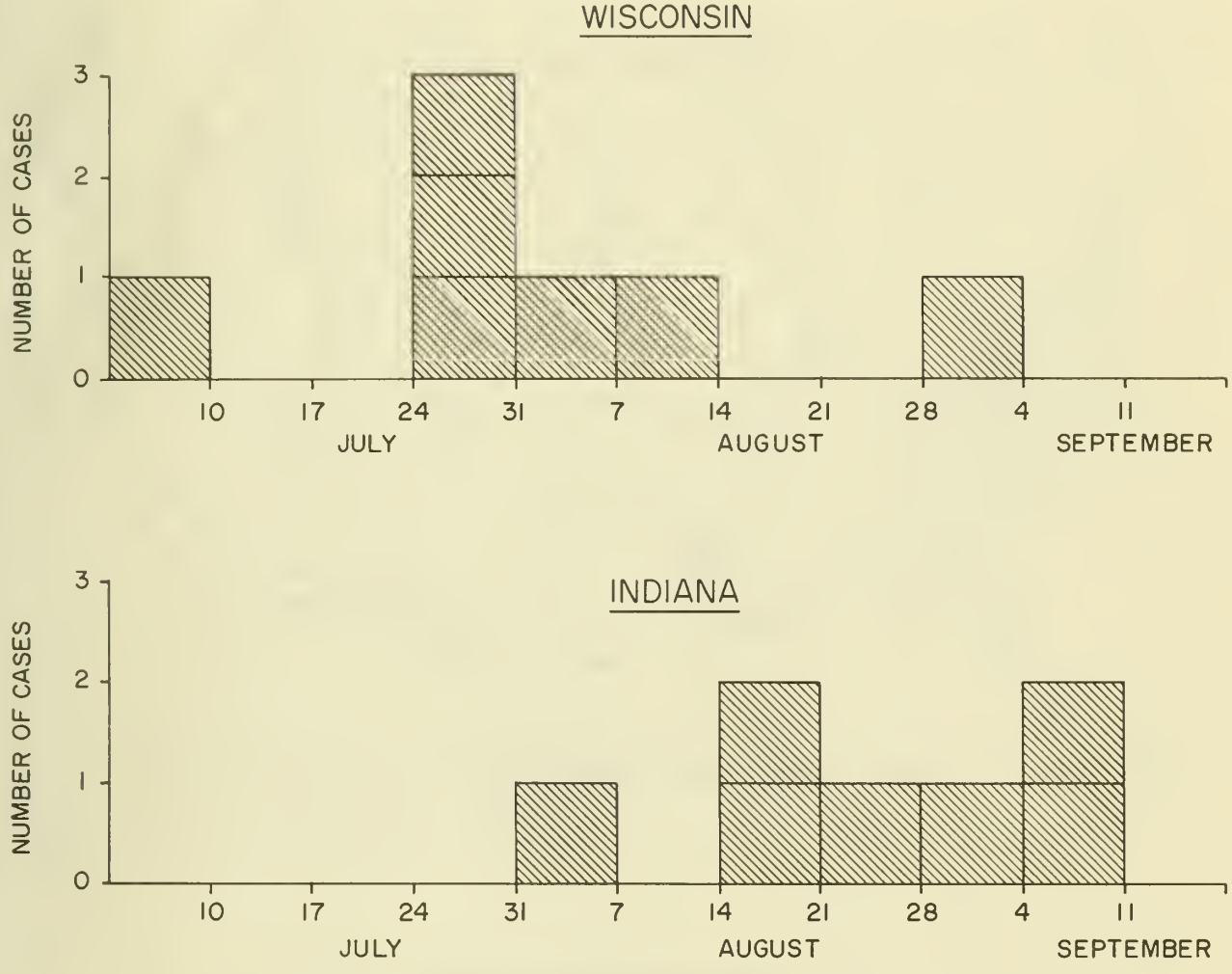


FIGURE 2

CASES OF CALIFORNIA VIRUS ENCEPHALITIS BY DATE OF ONSET, 1965*



*DATES OF ONSET OF THE 16 CASES IN OHIO ARE NOT YET AVAILABLE.

ST. LOUIS ENCEPHALITIS

There have been 16 confirmed and presumptive cases of St. Louis encephalitis, 8 of which occurred in Colorado, 6 in Texas, and one each in Illinois and Pennsylvania. In Texas three of the cases occurred in Corpus Christi, while the other three appeared sporadically throughout the State. In Illinois there was one case in Enfield; St. Louis encephalitis virus has been isolated from a single pool of *Culex pipiens* collected in this area. There has also been one confirmed case reported from Collegeville, Pennsylvania, with the onset of illness during the first week in September.

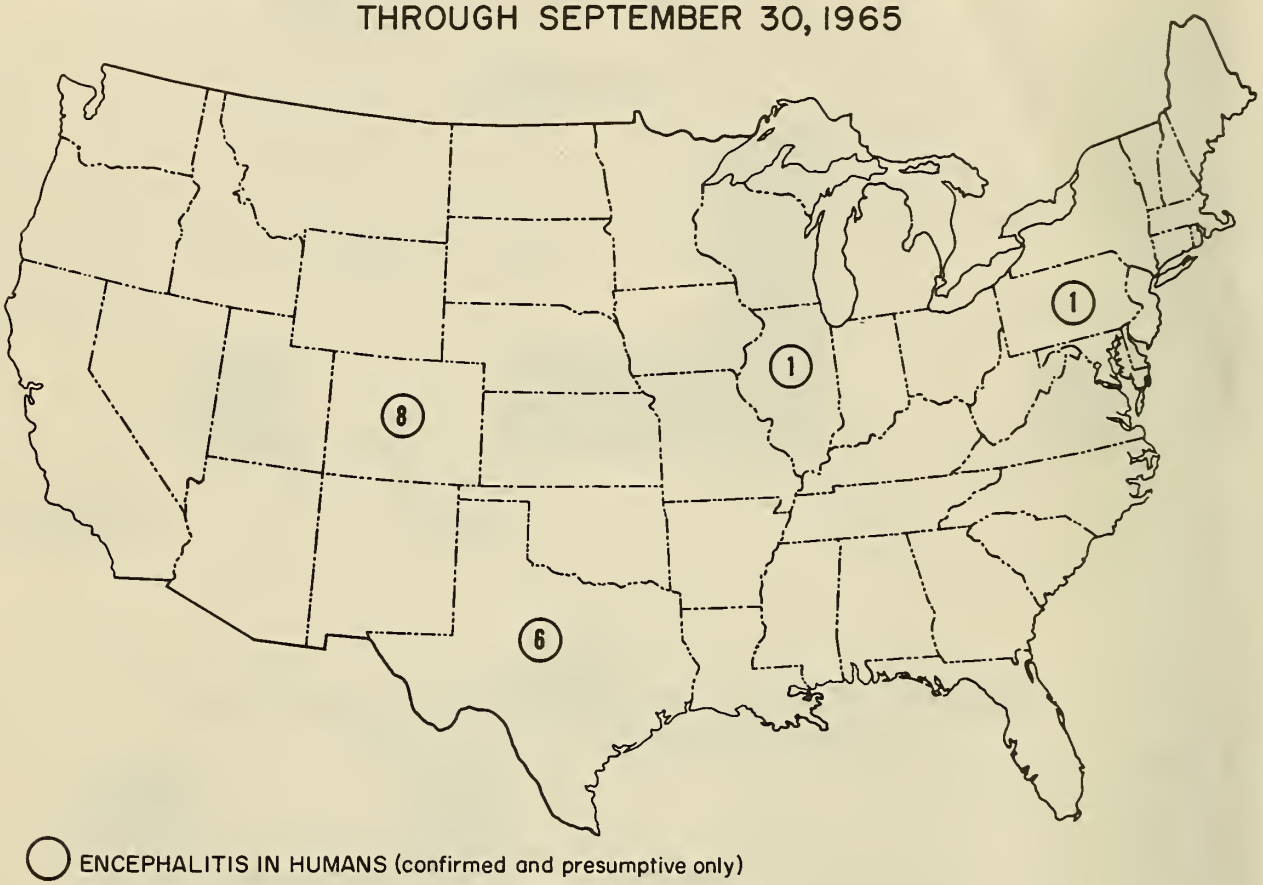
It is of interest that there have not been any cases of St. Louis encephalitis reported from Houston, Texas, or Camden, New Jersey, both of which experienced major epidemics in 1964. McLeansboro, which is 12 miles west of Enfield in Illinois, was the site of a St. Louis encephalitis outbreak in 1964.

Figure 4 shows the geographic distribution of the confirmed and presumptive cases notified this year.

(See Figure 4, page 338)

Figure 4.

ST. LOUIS ENCEPHALITIS IN THE UNITED STATES
THROUGH SEPTEMBER 30, 1965



EASTERN EQUINE ENCEPHALITIS

North Carolina, Georgia and Florida have reported one, two and three laboratory confirmed human cases of Eastern equine encephalitis respectively. Two fatalities occurred, both in Georgia. The latest confirmed human case this year was reported from Florida, the date of onset being July 24.

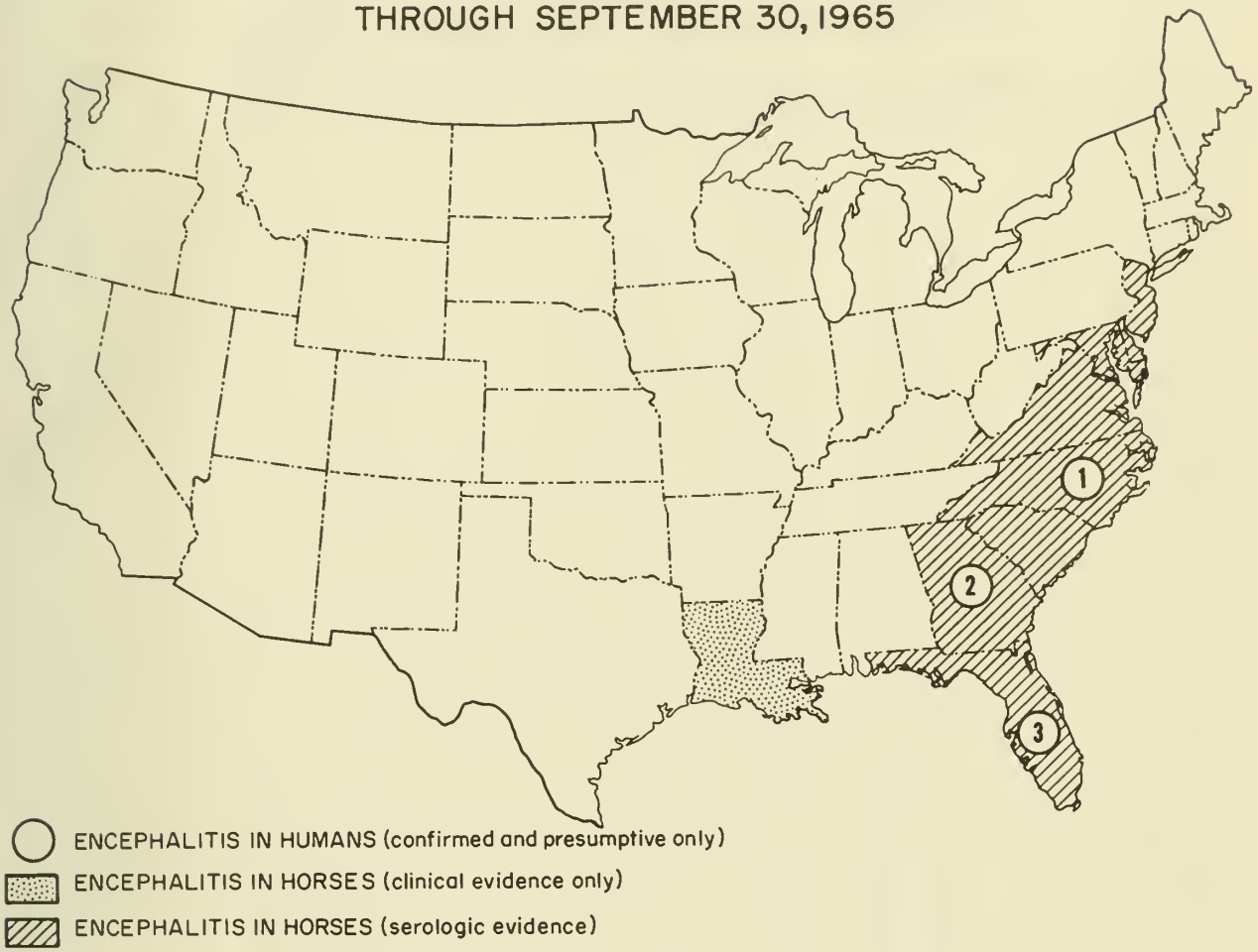
There is, however, continued evidence of Eastern Equine encephalitis virus activity in the eastern U.S. Equine epizootics have been reported from nine States, most recently from New Jersey and Delaware (Figure 5). Eastern equine encephalitis virus has been isolated from pools of *Culiseta melanura* collected in Florida, North Carolina, Virginia, Maryland and New Jersey; it has also been recovered from one pool of *Anopheles crucians* in New Jersey.* Activity in birds has been demonstrated by the recovery of Eastern equine encephalitis virus from a sparrow in North Carolina and from four avian species in New Jersey, namely the house sparrow, woodthrush, Carolina Chickadee, and red-eyed vireo.*

*New Jersey data reported by Dr. M. Goldfield.

Editorial Note: This report has been made possible only through the interest and helpful cooperation of the Directors of the State Health Department, the State Epidemiologists, the Directors of State Laboratories, and of State Arbovirus Research Units in the States concerned. The epidemiological and laboratory data have been collated by the Arbovirus Unit and the Encephalitis Surveillance Unit of CDC. Material and reports have also been provided by the Greeley and Kansas City Field Stations of CDC, and the Center for Zoonosis Research, Urbana, Illinois.

Figure 5.

EASTERN EQUINE ENCEPHALITIS IN THE UNITED STATES
THROUGH SEPTEMBER 30, 1965



LABORATORY STUDIES – BOTULISM in Idaho

Three clinical cases of botulism in Twin Falls, Idaho, were reported in the MMWR, Vol. 14, No. 27. At that time sera had not been obtained proir to administration of antitoxins. Neither the uneaten sandwich with two slices of the implicated luncheon meat nor the package from which it came were obtained for laboratory examination. However, samples from vacuum-sealed packages and from 10-pound cans of the luncheon meat in the same consignment as the meat used in the sandwiches have been examined for the presence of *Clostridium botulinum* toxin and for the organism. All examinations were negative. Samples were examined both at the Federal Drug Administration Laboratories in Washington, D.C. and at CDC. *(Reported by the Microbiology Division FDA, Washington, D.C.; and the Bacteriology Section of Laboratory Branch, CDC.)*

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 2, 1965 AND SEPTEMBER 26, 1964 (39th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	80	109	48	9	-	44	84	-	35	69	-	113
NEW ENGLAND.....	-	4	2	1	-	-	2	-	-	2	-	2
Maine.....	-	-	-	-	-	-	1	-	-	1	-	-
New Hampshire.....	-	1	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	3	-	-	-	-	-	-	-	-	-	2
Rhode Island.....	-	-	2	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	1	-	-	1	-	-
MIDDLE ATLANTIC.....	7	20	13	2	-	4	13	-	3	12	-	5
New York City.....	-	8	4	-	-	1	1	-	-	1	-	3
New York, Up-State.	5	6	2	2	-	-	10	-	-	9	-	-
New Jersey.....	1	5	4	-	-	3	2	-	3	2	-	-
Pennsylvania.....	1	1	3	-	-	-	-	-	-	-	-	2
EAST NORTH CENTRAL...	26	30	11	2	-	3	18	-	2	15	-	4
Ohio.....	5	13	7	-	-	-	2	-	-	2	-	1
Indiana.....	-	1	2	-	-	-	6	-	-	5	-	2
Illinois.....	7	11	1	1	-	2	5	-	1	5	-	-
Michigan.....	11	5	1	1	-	1	3	-	1	2	-	-
Wisconsin.....	3	-	-	-	-	-	2	-	-	1	-	1
WEST NORTH CENTRAL...	4	9	9	1	-	10	8	-	7	6	-	18
Minnesota.....	3	5	-	1	-	1	3	-	1	2	-	7
Iowa.....	1	-	2	-	-	4	-	-	2	-	-	1
Missouri.....	-	-	-	-	-	1	3	-	-	2	-	1
North Dakota.....	-	-	1	-	-	-	1	-	-	1	-	-
South Dakota.....	-	-	1	-	-	-	-	-	-	-	-	7
Nebraska.....	-	3	1	-	-	3	-	-	3	-	-	1
Kansas.....	-	1	4	-	-	1	1	-	1	1	-	1
SOUTH ATLANTIC.....	2	4	-	-	-	1	21	-	1	16	-	29
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	1	1	-	1	1	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia.....	1	1	-	-	-	-	1	-	-	1	-	-
North Carolina.....	-	-	-	-	-	-	10	-	-	6	-	2
South Carolina.....	1	1	-	-	-	-	-	-	-	-	-	1
Georgia.....	-	-	-	-	-	-	1	-	-	1	-	14
Florida.....	-	2	-	-	-	-	8	-	-	7	-	9
EAST SOUTH CENTRAL...	4	1	2	-	-	1	6	-	1	5	-	17
Kentucky.....	2	1	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	2	-	-	1	3	-	1	2	-	-
Alabama.....	1	-	-	-	-	-	2	-	-	2	-	15
Mississippi.....	1	-	-	-	-	-	1	-	-	1	-	2
WEST SOUTH CENTRAL...	6	6	-	1	-	16	7	-	14	7	-	29
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	2
Louisiana.....	-	3	-	-	-	1	-	-	1	-	-	6
Oklahoma.....	-	-	-	-	-	1	2	-	1	2	-	-
Texas.....	6	3	-	1	-	14	5	-	12	5	-	21
MOUNTAIN.....	3	4	8	-	-	5	6	-	3	3	-	-
Montana.....	-	-	3	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	2	-	-	2	-	-
Colorado.....	-	4	-	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	1	3	-	1	-	-	-
Arizona.....	3	-	1	-	-	4	-	-	2	-	-	-
Utah.....	-	-	4	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	28	31	3	2	-	4	3	-	4	3	-	9
Washington.....	2	1	1	-	-	2	-	-	2	-	-	3
Oregon.....	1	-	1	-	-	1	1	-	1	1	-	1
California.....	25	30	1	2	-	1	2	-	1	2	-	5
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	2	12

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

OCTOBER 2, 1965 AND SEPTEMBER 26, 1964 (39th WEEK) - Continued

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	1	735	380	317	25,530	29,038	25	2,376	2,112	3	199
NEW ENGLAND.....	-	25	12	13	1,493	2,690	-	120	59	-	5
Maine.....	-	2	1	1	265	853	-	16	5	-	-
New Hampshire.....	-	4	1	3	153	211	-	7	1	-	1
Vermont.....	-	-	-	-	80	335	-	7	3	-	-
Massachusetts.....	-	8	4	4	589	585	-	40	24	-	3
Rhode Island.....	-	1	1	-	168	149	-	14	9	-	-
Connecticut.....	-	10	5	5	238	557	-	36	17	-	1
MIDDLE ATLANTIC.....	-	145	82	63	4,542	6,456	5	311	268	1	13
New York City.....	-	15	5	10	895	994	1	54	35	-	-
New York, Up-State.	-	92	58	34	1,746	2,824	3	90	75	1	5
New Jersey.....	-	13	4	9	858	1,106	-	80	93	-	1
Pennsylvania.....	-	25	15	10	1,043	1,532	1	87	65	-	7
EAST NORTH CENTRAL...	-	152	87	54	4,905	4,554	8	340	289	-	28
Ohio.....	-	46	25	15	1,351	1,206	3	92	74	-	2
Indiana.....	-	11	5	4	425	392	1	43	45	-	7
Illinois.....	-	30	16	12	931	829	1	93	73	-	13
Michigan.....	-	55	33	22	1,884	1,804	2	74	67	-	3
Wisconsin.....	-	10	8	1	314	323	1	38	30	-	3
WEST NORTH CENTRAL...	-	23	9	14	1,470	1,559	1	123	126	1	18
Minnesota.....	-	7	4	3	153	172	1	27	29	1	8
Iowa.....	-	5	3	2	519	237	-	9	6	-	4
Missouri.....	-	1	1	-	309	385	-	52	57	-	2
North Dakota.....	-	-	-	-	27	58	-	11	17	-	-
South Dakota.....	-	2	-	2	20	120	-	3	3	-	-
Nebraska.....	-	1	-	1	64	42	-	10	6	-	2
Kansas.....	-	7	1	6	378	545	-	11	8	-	2
SOUTH ATLANTIC.....	1	83	46	31	2,649	2,733	4	456	412	1	46
Delaware.....	-	-	-	-	64	53	-	7	6	-	-
Maryland.....	-	18	9	6	464	515	-	44	30	-	1
Dist. of Columbia..	-	-	-	-	38	50	-	9	13	-	-
Virginia.....	1	19	11	7	622	431	-	54	46	-	7
West Virginia.....	-	1	1	-	373	402	-	24	32	-	1
North Carolina.....	-	12	7	5	254	458	2	93	69	-	6
South Carolina.....	-	3	1	2	122	101	-	59	50	-	6
Georgia.....	-	-	-	-	93	80	-	57	62	1	5
Florida.....	-	30	17	11	619	643	2	109	104	-	20
EAST SOUTH CENTRAL...	-	36	17	16	1,833	2,025	-	185	171	-	24
Kentucky.....	-	15	8	4	655	748	-	71	56	-	6
Tennessee.....	-	13	6	7	616	704	-	60	55	-	7
Alabama.....	-	6	3	3	331	370	-	34	36	-	9
Mississippi.....	-	2	-	2	231	203	-	20	24	-	2
WEST SOUTH CENTRAL...	-	62	37	24	2,230	2,254	4	311	243	-	44
Arkansas.....	-	6	4	2	290	217	-	15	22	-	10
Louisiana.....	-	13	9	4	363	543	1	171	118	-	5
Oklahoma.....	-	1	-	1	49	109	1	20	9	-	1
Texas.....	-	42	24	17	1,528	1,385	2	105	94	-	28
MOUNTAIN.....	-	35	14	4	1,435	1,733	1	74	71	-	3
Montana.....	-	4	3	-	109	152	-	2	-	-	-
Idaho.....	-	5	-	-	183	233	-	8	3	-	-
Wyoming.....	-	1	-	1	40	55	-	5	5	-	-
Colorado.....	-	4	3	1	305	464	1	15	12	-	2
New Mexico.....	-	8	5	1	307	249	-	11	29	-	-
Arizona.....	-	8	-	-	303	385	-	16	6	-	1
Utah.....	-	4	3	1	179	144	-	14	7	-	-
Nevada.....	-	1	-	-	9	51	-	3	9	-	-
PACIFIC.....	-	174	76	98	4,973	5,034	2	456	473	-	18
Washington.....	-	11	6	5	387	533	1	34	31	-	-
Oregon.....	-	19	8	11	423	543	-	33	21	-	4
California.....	-	139	57	82	3,936	3,684	1	364	402	-	14
Alaska.....	-	5	5	-	188	175	-	18	7	-	-
Hawaii.....	-	-	-	-	39	99	-	7	12	-	-
Puerto Rico	-	27	22	5	1,112	778	2	7	31	1	42

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 2, 1965 AND SEPTEMBER 26, 1964 (39th WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	638	241,266	462,932	5,082	2	192	11	314	51	3,376
NEW ENGLAND.....	22	36,839	16,990	441	-	1	-	4	-	39
Maine.....	6	2,802	3,015	21	-	-	-	-	-	4
New Hampshire.....	-	381	255	-	-	-	-	-	-	1
Vermont.....	11	1,268	2,331	-	-	-	-	-	-	31
Massachusetts.....	3	19,298	5,331	77	-	1	-	3	-	2
Rhode Island.....	-	3,938	1,935	28	-	-	-	1	-	-
Connecticut.....	2	9,152	4,123	315	-	-	-	-	-	1
MIDDLE ATLANTIC.....	47	14,843	52,217	141	-	-	2	55	7	139
New York City.....	17	2,416	15,350	6	-	-	1	27	-	-
New York, Up-State.	8	4,143	12,711	77	-	-	-	13	7	126
New Jersey.....	3	2,577	12,218	46	-	-	-	7	-	-
Pennsylvania.....	19	5,707	11,938	12	-	-	1	8	-	13
EAST NORTH CENTRAL...	89	55,891	102,985	366	-	13	1	39	12	515
Ohio.....	12	8,895	19,628	11	-	-	-	9	5	262
Indiana.....	9	1,847	22,787	142	-	5	-	8	5	64
Illinois.....	22	2,764	16,632	50	-	5	-	10	1	81
Michigan.....	-	26,473	28,949	103	-	2	1	7	-	51
Wisconsin.....	46	15,912	14,989	60	-	1	-	5	1	57
WEST NORTH CENTRAL...	51	16,578	30,272	220	-	23	1	11	10	687
Minnesota.....	14	688	333	12	-	1	1	1	2	139
Iowa.....	4	9,001	23,327	32	-	-	-	2	3	195
Missouri.....	3	2,591	1,019	6	-	18	-	7	2	96
North Dakota.....	29	3,731	4,752	113	-	-	-	-	1	43
South Dakota.....	-	115	29	5	-	2	-	-	1	52
Nebraska.....	1	452	812	-	-	-	-	1	-	35
Kansas.....	NN	NN	NN	52	-	2	-	-	1	127
SOUTH ATLANTIC.....	152	24,883	38,367	661	-	31	1	64	6	460
Delaware.....	2	505	411	14	-	-	-	4	-	-
Maryland.....	2	1,163	3,408	68	-	-	1	19	-	22
Dist. of Columbia..	-	77	354	-	-	-	-	-	-	-
Virginia.....	7	3,872	12,713	131	-	8	-	8	4	284
West Virginia.....	124	13,839	8,663	185	-	-	-	3	-	21
North Carolina.....	-	390	1,161	16	-	6	-	15	-	3
South Carolina.....	1	1,018	4,261	29	-	3	-	8	-	2
Georgia.....	-	617	195	9	-	14	-	3	1	58
Florida.....	16	3,402	7,201	209	-	-	-	4	1	70
EAST SOUTH CENTRAL...	37	13,948	67,844	1,021	-	20	1	32	4	728
Kentucky.....	12	2,586	18,475	36	-	3	-	9	2	76
Tennessee.....	14	7,910	24,314	879	-	16	1	11	2	599
Alabama.....	10	2,335	18,366	66	-	1	-	7	-	16
Mississippi.....	1	1,117	6,689	40	-	-	-	5	-	37
WEST SOUTH CENTRAL...	72	30,958	72,138	562	2	80	1	43	10	542
Arkansas.....	-	1,084	1,124	2	2	54	-	13	-	79
Louisiana.....	1	107	105	-	-	5	-	6	1	70
Oklahoma.....	-	203	1,018	5	-	10	-	6	5	117
Texas.....	71	29,564	69,891	555	-	11	1	18	4	276
MOUNTAIN.....	100	19,817	18,697	955	-	15	2	27	1	74
Montana.....	7	3,731	3,073	26	-	4	-	1	-	5
Idaho.....	7	2,794	1,938	83	-	-	-	-	-	-
Wyoming.....	3	848	262	21	-	3	-	1	-	-
Colorado.....	44	5,678	3,235	398	-	-	-	-	-	9
New Mexico.....	-	677	456	257	-	-	2	11	-	14
Arizona.....	17	1,332	6,675	54	-	-	-	12	1	44
Utah.....	22	4,553	2,068	116	-	8	-	-	-	1
Nevada.....	-	204	990	-	-	-	-	2	-	1
PACIFIC.....	68	27,509	63,422	715	-	9	2	39	1	192
Washington.....	7	7,245	20,040	158	-	-	-	4	-	7
Oregon.....	25	3,261	8,661	7	-	5	1	7	-	7
California.....	33	13,003	33,065	491	-	4	1	27	1	176
Alaska.....	1	186	1,102	48	-	-	-	-	-	2
Hawaii.....	2	3,814	554	11	-	-	-	1	-	-
Puerto Rico	28	2,435	6,291	8	-	-	1	9	-	13

Week No. 39

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 2, 1965

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	739	436	24	40
Boston, Mass.	265	144	5	16
Bridgeport, Conn.	43	21	2	5
Cambridge, Mass.	25	19	-	1
Fall River, Mass.	28	18	2	-
Hartford, Conn.	56	33	1	5
Lowell, Mass.	28	18	2	1
Lynn, Mass.	17	12	1	-
New Bedford, Mass.	25	16	-	-
New Haven, Conn.	44	26	-	1
Providence, R. I.	72	40	5	6
Somerville, Mass.	15	12	-	-
Springfield, Mass.	38	21	2	1
Waterbury, Conn.	35	21	-	3
Worcester, Mass.	48	35	4	1
MIDDLE ATLANTIC:	2,994	1,723	125	143
Albany, N. Y.	56	30	1	3
Allentown, Pa.	29	19	5	-
Buffalo, N. Y.	145	87	4	6
Camden, N. J.	35	16	1	2
Elizabeth, N. J.	33	20	-	2
Erie, Pa.	33	26	2	-
Jersey City, N. J.	57	39	3	3
Newark, N. J.	99	39	7	11
New York City, N. Y.	1,508	865	51	71
Paterson, N. J.	40	20	4	4
Philadelphia, Pa.	420	236	13	21
Pittsburgh, Pa.	187	86	6	5
Reading, Pa.	37	26	6	1
Rochester, N. Y.	98	69	9	5
Schenectady, N. Y.	35	24	1	1
Scranton, Pa.	37	24	3	2
Syracuse, N. Y.	42	22	1	4
Trenton, N. J.	40	28	3	1
Utica, N. Y.	28	21	3	1
Yonkers, N. Y.	35	26	2	-
EAST NORTH CENTRAL:	2,396	1,343	68	134
Akron, Ohio	50	35	-	4
Canton, Ohio	46	29	5	4
Chicago, Ill.	691	371	28	40
Cincinnati, Ohio	125	76	-	2
Cleveland, Ohio	216	120	2	10
Columbus, Ohio	123	65	2	6
Dayton, Ohio	70	44	-	3
Detroit, Mich.	330	159	9	17
Evansville, Ind.	39	20	2	1
Flint, Mich.	37	19	3	6
Fort Wayne, Ind.	43	28	1	1
Gary, Ind.	29	16	3	2
Grand Rapids, Mich.	40	24	1	2
Indianapolis, Ind.	147	87	1	10
Madison, Wis.	32	15	-	-
Milwaukee, Wis.	118	73	3	7
Peoria, Ill.	31	15	1	8
Rockford, Ill.	27	15	2	3
South Bend, Ind.	34	20	2	2
Toledo, Ohio	110	74	3	3
Youngstown, Ohio	58	38	-	3
WEST NORTH CENTRAL:	843	503	19	55
Des Moines, Iowa	49	29	3	4
Duluth, Minn.	32	22	-	-
Kansas City, Kans.	32	14	2	5
Kansas City, Mo.	145	84	3	9
Lincoln, Nebr.	29	19	-	-
Minneapolis, Minn.	104	64	3	3
Omaha, Nebr.	102	60	2	7
St. Louis, Mo.	221	133	2	18
St. Paul, Minn.	69	45	1	4
Wichita, Kans.	60	33	3	5
SOUTH ATLANTIC:	1,068	513	32	72
Atlanta, Ga.	131	54	5	16
Baltimore, Md.	257	117	6	20
Charlotte, N. C.	33	11	1	3
Jacksonville, Fla.	86	36	-	5
Miami, Fla.	53	28	1	1
Norfolk, Va.	39	21	-	2
Richmond, Va.	83	35	1	7
Savannah, Ga.	29	12	1	2
St. Petersburg, Fla.	67	55	1	-
Tampa, Fla.	82	40	5	8
Washington, D. C.	176	86	9	6
Wilmington, Del.	32	18	2	2
EAST SOUTH CENTRAL:	530	271	25	31
Birmingham, Ala.	79	40	2	7
Chattanooga, Tenn.	47	23	3	1
Knoxville, Tenn.	29	14	3	-
Louisville, Ky.	98	58	5	5
Memphis, Tenn.	124	61	4	8
Mobile, Ala.	43	21	1	3
Montgomery, Ala.	33	16	2	3
Nashville, Tenn.	77	38	5	4
WEST SOUTH CENTRAL:	1,043	514	32	83
Austin, Tex.	38	24	4	1
Baton Rouge, La.	29	17	2	1
Corpus Christi, Tex.	30	17	-	1
Dallas, Tex.	154	74	1	17
El Paso, Tex.	39	19	3	2
Fort Worth, Tex.	64	34	1	4
Houston, Tex.	183	72	4	16
Little Rock, Ark.	77	46	3	3
New Orleans, La.	151	69	4	14
Oklahoma City, Okla.	87	40	1	4
San Antonio, Tex.	103	52	3	14
Shreveport, La.	43	24	4	2
Tulsa, Okla.	45	26	2	4
MOUNTAIN:	361	205	29	23
Albuquerque, N. Mex.	37	21	6	3
Colorado Springs, Colo.	15	13	1	2
Denver, Colo.	104	52	5	6
Ogden, Utah	28	17	3	1
Phoenix, Ariz.	78	47	6	2
Pueblo, Colo.	19	12	2	1
Salt Lake City, Utah	48	25	4	5
Tucson, Ariz.	32	18	2	3
PACIFIC:	1,489	873	37	104
Berkeley, Calif.	13	7	-	2
Fresno, Calif.	41	19	2	5
Glendale, Calif.	23	15	-	1
Honolulu, Hawaii*	40	18	1	5
Long Beach, Calif.	61	30	-	3
Los Angeles, Calif.	447	242	13	34
Oakland, Calif.	118	67	5	9
Pasadena, Calif.	39	27	1	-
Portland, Oreg.	127	89	1	3
Sacramento, Calif.	74	47	4	5
San Diego, Calif.	94	47	3	15
San Francisco, Calif.	159	102	3	8
San Jose, Calif.	36	21	2	2
Seattle, Wash.	136	92	2	8
Spokane, Wash.	45	29	-	3
Tacoma, Wash.	36	21	-	1
Total	11,463	6,381	391	685

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	480,491
All Causes, Age 65 and over	270,975
Pneumonia and Influenza, All Ages	19,555
All Causes, Under 1 Year of Age	28,596

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 14,000, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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